

Title (en)  
Metal gasket having seal structure for three-surface combining portion

Title (de)  
Metalldichtung zwischen drei Flächen

Title (fr)  
Joint métallique entre trois surfaces

Publication  
**EP 0872671 A3 19990428 (EN)**

Application  
**EP 98302506 A 19980331**

Priority  
JP 11507597 A 19970418

Abstract (en)  
[origin: EP0872671A2] This metal gasket is adapted to excellently seal a height different portion(20) occurring on the opposed surfaces(26,27) of a cylinder block(18) and a chain case(19), by elastic members(10) provided in recessed portions(9) of full beads on an elastic metal plate. In this metal gasket, a first elastic metal plate(5) is laminated on a second elastic metal plate(6) so that the ridges of full beads(7,17) on the first elastic metal plate(5) contacts the second elastic metal plate (6). The first elastic metal plate(5) is provided with a half bead(8) extending along the circumference of an opening (4) in which a camshaft driving chain travels, and full beads position in the regions which correspond to the opposed surfaces(26,27) of a three-surface combining portion. In order to seal a height different portion(20) occurring on the opposed surfaces(26,27) of the three-surface combining portion, elastic members(10) are provided in the recessed portions(9) of the full beads formed on the first elastic metal plate(5), in such a manner that the elastic members(10) are positioned in the three-surface combining portion. <IMAGE>

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**F16J 15/08; F02F 11/00**

IPC 8 full level  
**F02F 11/00** (2006.01); **F16J 15/06** (2006.01); **F16J 15/08** (2006.01)

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Citation (search report)

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